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(54) GROUND COIL IN MAGNETICALLY  
LEVITATED TRANSPORTATION SYSTEM

without damaging the strength of the conductor itself.

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## (57) Abstract:

**PROBLEM TO BE SOLVED:** To provide a ground coil for making a conductor transposing range to a minimum without damaging strength of the conductor, by turning and piling conductors in a multiple stage and changing an angle of the conductor for transposing the stage moving part in the ground coil in a magnetically levitated transportation system.

**SOLUTION:** In ground coils 1 and 2, a conducting coil 3 made up of conductors 3a and 3b transposed at a transposed part (stage moving part), a conducting coil 4 made up of conductors 4a and 4b transposed at a transposed part (stage moving part), and a conducting coil 5 made up of conductors 5a and 5b transposed at a transposed part (stage moving part) are stacked at two stages. Then, the transposed range for transposing the conductor is adjusted into a minimum level

